RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/775,009

DATE: 03/01/2001 TIME: 09:37:54

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\02282001\I775009.raw

## ENTERED

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	_	<13			REFE													
C>											S / 0.9	/775						
C>												, , , ,	,,,,,,					
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					FIL													
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					H: 1													
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				EATU	ISM:	HOIII	o sa	breu	S									
					KEY:	CDS												
					ION:			(12	61)									
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							at c	taca	qtac	c et	ataa	caaa	tac	gaac	CCC	cacc	cggcag	60
	33	tgg	cggg	ggc	tgct	ccca	gc t	tctg	geta	t ca	cqqa	ccta	CCd	cctc	ctc	ctac	teegea	120
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		tgt	gaag		ctg													409
	39				Leu	Ala	Ala		Ile	Asn	Pro	Ser		Ile	Asn	Met	Ile	
	40			1				5					10	`				
	42	caa	gga	aac	tac	gga	ctc	ctt	cct	gaa	ctg	cct	gct	gtt	gga	ggg	aac	457.
	44	15	GTĀ	ASII	Tyr	GIY	ьеи 20	Leu	Pro	Glu	Leu		Ala	Val	GLy	GLy		. :
			aat	at+	000	a 2 a		art a	~~~	~+~		25					30	\
	47	Glu	Glv	Val	gca Ala	Gln	Val	y La Val	Δla	y Ly Val	617	Sor	Aan	g Lg	acc mbs	999	ctg	505
	48	014	011	, 41	riid	35	VUI	vai	AIU	Val	40	ser	ASII	val	1111	4.5	ren	
		aaq	cca	gga	gac		ata	att	cca	gca		act	aat	tta	aaa		taa	553
	51	Lys	Pro	Gly	Asp	Trp	Val	Ile	Pro	Ala	Asn	Ala	Glv	Leu	Glv	Thr	Tro	555
	52			-	50	-				55			1		60		110	
	54	cgg	acc	gag	gct	gtg	ttc	agc	gag	gaa	gca	ctg	atc	caa	qtt	ccq	agt	601
	55	Arg	Thr	Glu	Ala	Val	Phe	Ser	Glu	Glu	Āla	Leu	Ile	Gln	Val	Pro	Ser	
	56	•		65					70					75				
	58	gac	atc	cct	ctt	cag	agc	gct	gcc	acc	ctg	ggt	gtc	aat	ccc	tgc	aca	649
		Asp		Pro	Leu	Gln	Ser		Ala	Thr	Leu	Gly	Val	Asn	Pro	Cys	Thr	
	60		. 80	•				85					90					
	02 9	gee	tac	agg	atg	ttg	atg	gat	ttc	gag	caa	ctg	cag	cca	ggg	gat	tct .	697
			Tyr	Arg	Met	Leu		Asp	Phe	Glu	Gln		Gln	Pro	Gly	Asp		
,	64	95					100					105					110	

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	-		_	aat Asn	_			-						-			745
		-	-	gcc Ala 130	-			-					-	-		-	7937
		-		cag Gln	_	_	_	_	-	_	_	_	_		_	-	841
				aca Thr													889
83		-	-	atg Met		-				-			_	-			937
		_		aca Thr		_	-		_			_				_	985
	-			ggg Gly 210		_	_										1033
	_			ttt Phe	-	_				_				_		_	1081
	Trp	-	Lys	gat Asp		_		Asp	-		_		Leu				1129
103		ı Cys	_			_	Arg		_			· Ālā		_	_	tcc Ser 270	1177
	Glr	-	_		_	Asp				-	Lei		-			g aag Lys	1225
	. Pro			tct Ser 290	Ser	-	_			Thr	_	-	i tca	tccc	caaa		1271
	-					-			-	-				_	-	ctcagt	1331
		-				_										gaggat ctgaac	1391 1451
				aaaa													1507
				D NO													
				`H: 2													
				PRT :ISM		n sa	nien										
				NCE:		.0 50	ртсп										
		Leu	ı Ala	Ala	_	Ile	Asn	Pro	Ser	-	Ile	Asn	Met	Ile		Gly	
126		ጥጥ	. cle	Lou	5 Lev	Dro	C1.	Len	Dro	10 מומ	Va 1	C1::	. Glv	λαν	15	Gly	
128		· TAT	OTĀ	20	neu		, Giu	. neu	25	. ATC		. Оту	GIY	30	. 010	. Ory	

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\02282001\1775009.raw

129 130		Ala	Gln 35	Val	Val	Ala	Val	Gly 40	Ser	Asn	Val	Thr	Gly 45	Leu	Lys	Pro		
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	Glu 65	Ala	Val	Phe	Ser	Glu 70	Glu	Ala	Leu	Ile	Gln 75	Val	Pro	Ser	Asp	Ile 80		
135	Pro	Leu	Gln	Ser			Thr	Leu	Gly			Pro	Cys	Thr				
136 137		Met	Leu	Met	85 Asp	Phe	Glu	Gln	Leu	90 Gln	Pro	Gly	Asp	Ser	95 Val	Ile		
138				100				Val	105					110				
140			115					120					125					
141 142		Ala 130	Leu	Gly	Leu	Arg	Thr 135	Ile	Asn	Val	Val	Arg 140	Asp	Arg	Pro	Asp		
	Ile 145	Gln	Lys	Leu	Ser	Asp 150	Arg	Leu	Lys	Ser	Leu 155	Gly	Ala	Glu	His			
		mbr	C1.	C1	C1		7 ~~	7 ~~	Dwo	C1		T	. 7	Dh.	Db -	160		
146					165		_	Arg		170		_			175	-		
	Asp		Pro		Pro	Arg	Leu	Ala		Asn	Cys	Val	Gly		Lys	Ser	,	
148			<b>a</b> 1	180	-	_	0.1		185	_	- 1		_,	190		_,		
150	ser	Thr	195	Leu	Leu	Arg	GIN	Leu 200	Ala	Arg	GLŸ	GTĀ	7nr 205	Met	Val	Thr		
	Tyr		Gly	Met	Ala	Lys		Pro	Val	Val	Ala		Val	Ser	Leu	Leu		
152		210	_	_	_	_	215	_		1	_	220				_	ı	
	225	Pne	ьуs	Asp	Leu		Leu	Arg	GTA	Phe		Leu	Ser	GIn	Trp		•	
		7 cn	uic	Cor	Dro	230	Cln	Phe	T 1.0	C1	235	т1 -	Low	mbs	T av	240		
156	пуз	нэр	1112	261	245	изр	GIII	rne	цуз	250	пеп	116	Leu	1111	255	Cys		
	Asp	Leu	Ile		Arg	Gly	Gln	Leu		Ala	Pro	Ala	Cys		Gln	Val		
158	Dro	Lou	Cln	260	m	Cln	Con	7.1.	265	C1	7.1.	Con	Mot	270	D	Dha		
160	PIO	neu	275	ASP	TAT	GIII	ser	Ala 280	ьеи	GIU	Ald	sei	285	цуs	PIO	Pne		
	Ile	Ser		Lvs	Gln	Ile	Leu	Thr	Met				203					
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																tagga		30
																racatc		10
				_	-			-				-			_	tgatg		00
				_	_	_			-		-	-				gagtg rtccga		50 20
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																atccgc ·	780
																tctgcc	840
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198					1				5					10			
200	gcc	cgg	cag	tgg	cgg	ggg	ctg	ctc	cca	gct	tct	ggc	tgt	cac	gga	cct	99
												Gly					
202		15					20					25					
204	gcc	gcc	tcc	tcc	tac	tcc	gca	tcc	gcc	gag	cct	gcc	cgg	gtc	cgg	gcg	147
205	Āla	Āla	Ser	Ser	Tyr	Ser	Ala	Ser	Ala	Glu	Pro	Ala	Arg	Val	Arg	Ala	
206	30				-	35					40					45	
208	ctt	gtc	tat	qqq	cac	cac	ggg	gat	сса	gcc	aag	gtc	gtc	gaa	ctc	aag	195
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210			-	-	50		-	-		55	_				60	_	
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214				65				_	70		•		_	75	-		
	ct.a	aca	acc	cct	atc	aat	cca <sup>r</sup>	t.ct	gac	ata	aat	atg	atc	caa	qqa	aac	291
												Met					
218			80					85	-				90		-		
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222	-	95					100				-	105			_		
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226		01				115	1				120			-		125	
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												Thr					
230					130				1	135	1		• •	,	140		
	act	ata	ttc	age		σаа	gca	cta	atc		at.t.	ccg	agt	gac		cct	483
												Pro					
234	· · · · ·	·uı	1110	.145	O.L.u	014		2.00	150	0.2.12				155			
	ctt	car	anc		acc	acc	cta	aat		aat	CCC	tgc	aca		tac	agg	531
		_	_	_	-		_		_			Cys					002
238	Jeu	3111	160	1714	111 CI	+ 111	u	165	, u <u>1</u>	.1011		J 5	170		-1-	9	
	ata	++~		ora+	tta	nan	Caa		car	CCa	aaa	gat		atc	atc	cag	579
												Asp					2,7
	MEL		rie L	нар	LIIG	GIU		neu	3111	110	GIY	185	Jer	v u ı	11C	O T 11	
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	Ala	Leu	Gly	Leu		Thr	Ile	Asn	Val		Arg	Asp	Arg	Pro		Ile	
250					210					215					220		
	cag																723
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257	Thr	Glu	Glu	Glu	Leu	Arg	Arg		Glu	Met	Lys	Asn		Phe	Lys	Asp	
258			240					245					250				
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262		255					260					265					
	aca																867
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	ggg																915
269	Gly	Gly	Met	Ala	Lys	Gln	Pro	Val	Val	Ala	Ser	Val	Ser	Leu	Leu	Ile	
270					290					295					300		
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273	Phe	Lys	Asp	Leu	Lys	Leu	Arg	Gly	Phe	Trp	Leu	Ser	Gln	Trp	Lys	Lys	
274				305					310					315			
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277	Asp	His	Ser	Pro	Asp	Gln	Phe	Lys	Glu	Leu	Ile	Leu	Thr	Leu	Cys	Asp	
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	350					355					360					365	
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	Ser	Ser	Lys	Gln		Leu	Thr	Met	*								
290					370												
	_					-	_									getece	1214
293	acct	itaa	cca q	gacta	actgi	ct ct	icct	cact	g cct	ctto	ccta	ttag	ggag	gat 9	ggtga	agcca	1274
	_					_	_	_	-			_		aac 1	ctc	ecttcc	1334
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306				20					25					30			

VERIFICATION SUMMARY

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 $L:12\ M:270\ C:$  Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

		, •
	] 1	1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
	] 2	2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
K	3	3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
	4	A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
	5.	. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
	6.	The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
		. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the
		. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
Ap	7.	The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).  Other:
口 口 Ar X	7. opli	. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
	7. Opli Aı Aı	The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).  Other:  icant Must Provide:
	7. Ar Ar Ar	The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).  Other:  icant Must Provide:  In initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
M D M	7. An Ar ap	The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).  Other:  icant Must Provide:  In initial or substitute computer readable form (CRF) copy of the "Sequence Listing".  In initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its nitry into the specification.  Statement that the content of the paper and computer readable copies are the same and, where oplicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(e)

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE